

A System And Method For Determining Convergence Of Image Set Registration

Abstract of Disclosure

Computer-based methods and systems for automatically determining convergence when registering image sets are provided. Example embodiments provide an Enhanced Image Registration System (EIRS), which includes an Image Comparison Module, a Transformation Optimizer, and a Convergence Calculator. When the EIRS receives two image sets to align, the Image Comparison Module compares two image sets to determine or measure how closely the image sets are aligned. The Transformation Optimizer determines an appropriate transformation to apply to one of the image sets to align it with the reference image set. The Transformation Optimizer then applies the determined transformation. The Convergence Calculator examines one or more points within the transformed image set to determine when convergence is attained.

Figures

Year	Male	Female	Mean	SD	Range	Median	Mode	Skewness	Kurtosis	Shapiro-Wilk	Normality
2007	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2008	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2009	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2010	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2011	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2012	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2013	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2014	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2015	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2016	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2017	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2018	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2019	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2020	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2021	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2022	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2023	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2024	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2025	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2026	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2027	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2028	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2029	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal
2030	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	0.99	Normal